



LIQUID FLUX EF350 BIO

Low-solids No-Clean flux



PRODUCT DESCRIPTION

EF350 Bio flux is part of Stannol's sustainable greenconnect product series. The product is the organic version of the Stannol standard EF350. By using renewable raw materials, it achieves a better ecological balance than the conventional flux – while maintaining the same high product quality. A 95 percent bio-based content is determined in accordance with DIN-EN 16785-2.

EF350 Bio is a low-solids, No-Clean flux type ORLO according to J-STD-004 B. It has a large process window and can be used universally in wave and selective soldering.

EF350 Bio is a halide-free flux which guarantees an optimum wetting of different surfaces (such as OSP, Ni/Au, HAL, chem. Sn and chem. Ag) both with lead-free and lead-containing solder alloys.

PRODUCT PROPERTIES

Stannol EF350 Bio offers the following advantages:

- CO₂ savings
- multi-purpose application, low residues
- No-Clean application, electrically safe
- perfect wetting results with lead containing and lead-free alloys

APPLICATION

Stannol flux EF350 Bio has been developed for application with spray fluxers, but foam fluxers can also be used. The preheat temperature should be at least 90 °C measured on the surface of the circuit board when entering the solder wave. This temperature ensures the evaporation of the solvent and a sufficient activation of the flux. Preheat temperatures up to 120-130 °C for a short period of time may be tolerated by the flux.

Evaporation of solvent can change the composition. Evaporation causes an increase of the solid content, and therefore the density increases. This can be tested with the Stannol Mini-Titration-Kit.

PHYSICAL PROPERTIES AND DATA

GENERAL PROPERTIES	LIQUID FLUX EF350 BIO
Colour:	light-yellow
Density (20°C):	0,818 g/cm ³
Solid content:	3,5 %
Acid value:	29 mg KOH/g
Halide content:	none
Copper mirror test:	passed
Surface Insulation Resistance:	>10 ⁸ Ω
Corrosion:	none
Thinner:	Stannol VD-900 Bio

CLEANING

If cleaning is required for optical or technical reasons, the residues can be removed using conventional cleaning processes. The Stannol cleaner Flux-Ex Post Power is recommended for cleaning.

SHELF LIFE

2 years after date of production (provided proper storage in originally sealed container)

HEALTH AND SAFETY

Read the material safety data sheet carefully before use and observe the safety precautions described.

DISCLAIMER

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advice is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.